



# FEMA

**Disclaimer:** The purpose of this briefing is to provide a ***Regional*** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information. To find your local NWS forecast office, go to <http://www.srh.noaa.gov> and click on the "Weather Forecast Offices" tab and click on the map for your area.

## FEMA Region 6 Weather Threat Briefing

Saturday August 8, 2015

Issued: 0800 CT

***Day 1 Hazards: Heat Advisories/Warnings for much of TX, AR, TX and LA***

***Day 1 Hazards: Marginal risk of strong thunderstorms TX/OK Panhandle and SE LA***

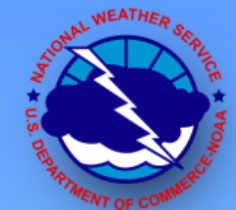
National Weather Service

Southern Region Headquarters  
Regional Operations Center  
Fort Worth, TX



Prepared by: Kurt Van Speybroeck  
817-978-1100 x 147

# Key Points



## Saturday

- **Heat Advisories/Excessive Heat Warnings for much of the Region**
  - Heat index values of 105-110 for parts of OK/TX/AR and LA
- **Strong thunderstorms possible over TX/OK panhandles and southeast LA**

## Monday – Wednesday

- **Heat index values of 105-110 for much of OK, TX, AR and LA**
- **Locally heavy rain may cause flash flooding over eastern and northern NM, particularly over burn scar areas**






## Tropical Outlook

- **Tropical activity is not expected over the next five days**

# \*FEMA Region 6 Threat Matrix

Aug 8, 2015 - Aug 12, 2015

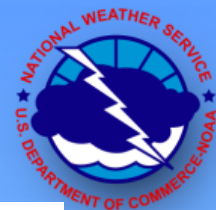
DAY/ THREAT	SAT	SUN	MON	TUE	WED
Severe Weather	TX/OK Panhandles SE LA				
Heavy Rain /Flash Flooding			NW NM		
Heat	Heat Advisories/ Excessive Heat Warnings				
Tropical					
Fire					

	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

*We continue to welcome feedback on our new color scale (details in the next slide). Please send comments to [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov).*

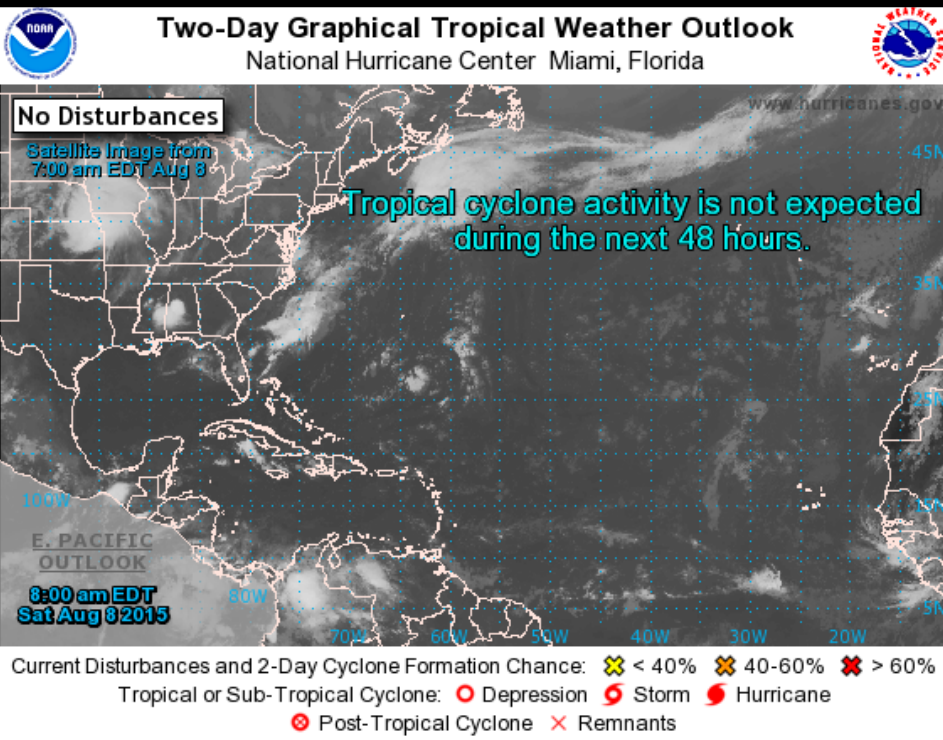


# The criteria for the color codes in our briefings is below, please provide any feedback to [sr-srh.roc@noaa.gov](mailto:sr-srh.roc@noaa.gov).

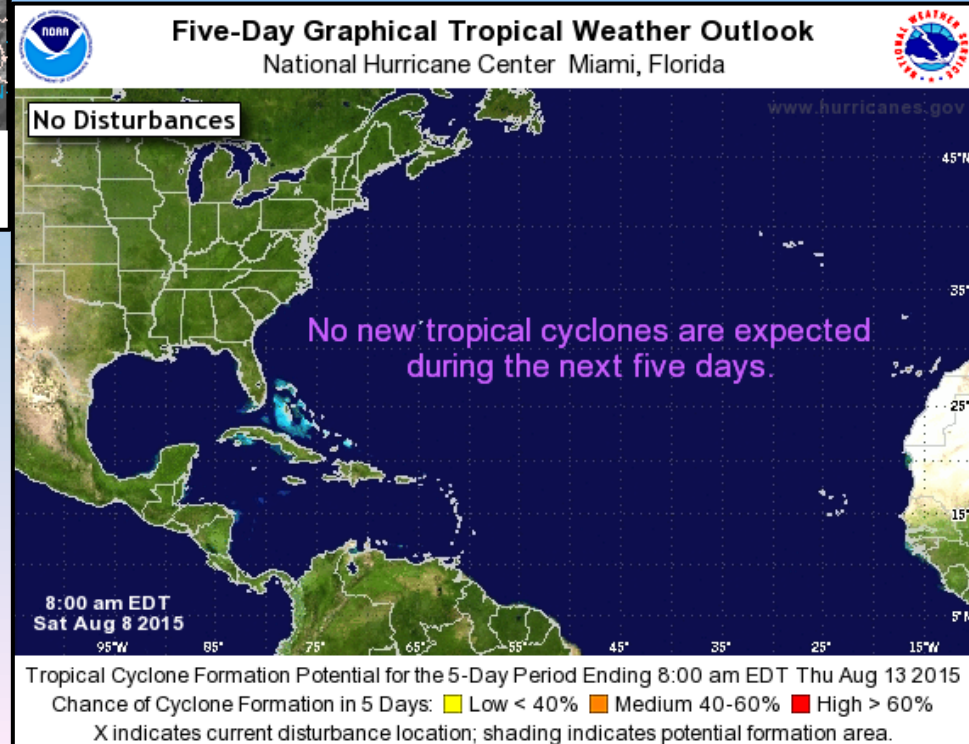


Weather "Threat" Matrix			
Color	Definition	Criteria	Example(s)
Green	<b>Very Common</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> <li>Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees</li> <li>Something that happens almost every day in a particular season such as seabreeze storms in coastal TX</li> </ul>
Yellow	<b>Somewhat Common – Happens Frequently</b> Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> <li>2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible</li> <li>Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1" hail</li> </ul>
Orange	<b>Uncommon – A Few Times a Year</b> Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> <li>A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely</li> <li>Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail</li> <li>Some large fires reported, burn bans advertised, critical conditions expected</li> </ul>
Red	<b>Rare – Once every 1-5 Years</b> Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 1 hurricane will be moving towards the NW Gulf in the next few days</li> <li>Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail</li> <li>Large fires ongoing throughout the area with critical fire weather conditions expected to continue</li> </ul>
Purple	<b>Very Rare – Once Every 5-10 Years</b> Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> <li>A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow</li> <li>Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms</li> </ul>

# Atlantic/Gulf Tropical Weather Outlook

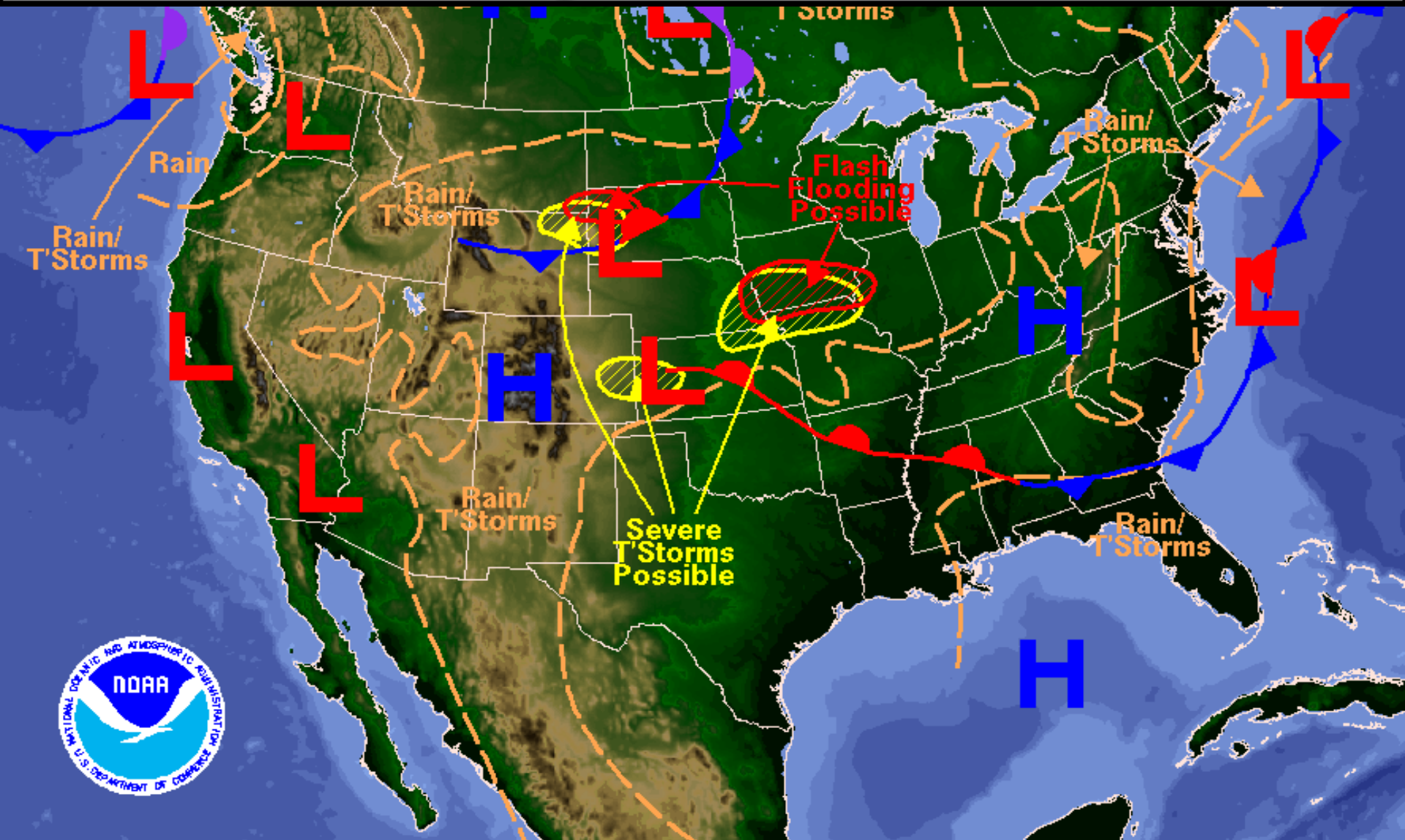


**Tropical cyclone formation is not expected the next 5 days**





# Today's Weather



Weather Forecast for Sat, Aug 08, 2015, issued 4:47 AM EDT  
DOC/NOAA/NWS/NCEP/Weather Prediction Center  
Prepared by Kong based on WPC, SPC and NHC forecasts



# Day 1 Weather Hazards






**Valid: 0800 Sat - 0800 Sun**



**Severe tstms possible**

**Heat index 105-110F for much of TX/OK/AR/LA**

**Severe tstms possible**

	Very Common – Happens Often
	Common – Happens Frequently
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	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

**\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.**

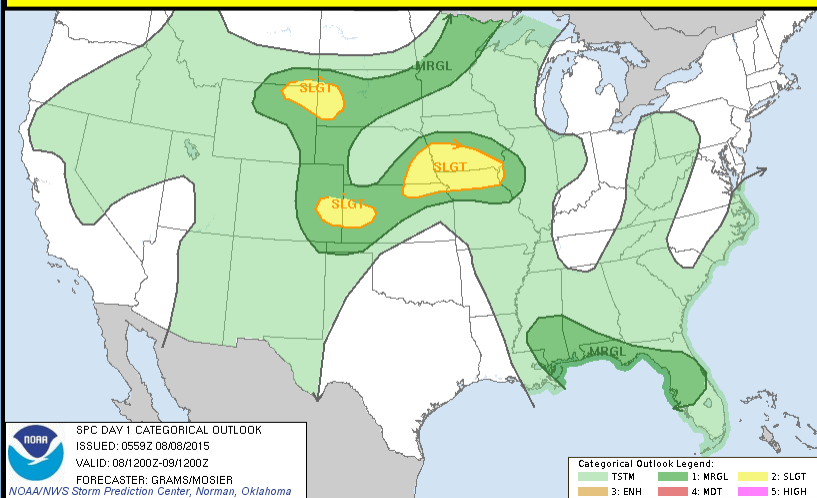


# Saturday, August 08, 2015

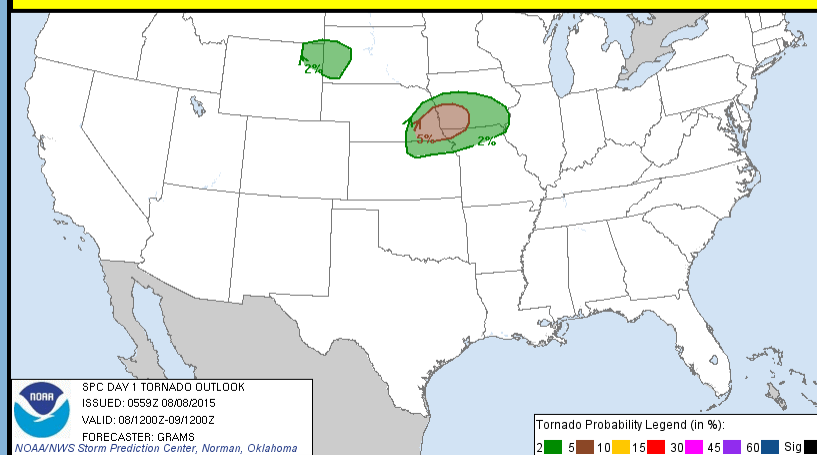
## Severe Thunderstorm Potential



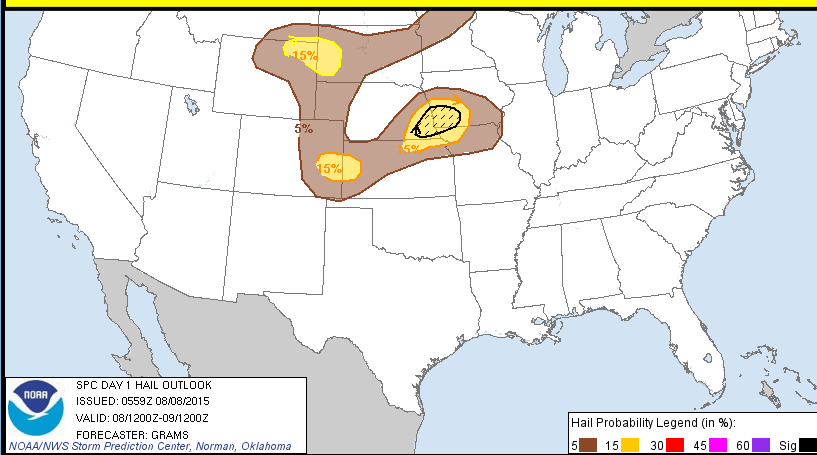
### Overall Threat Potential



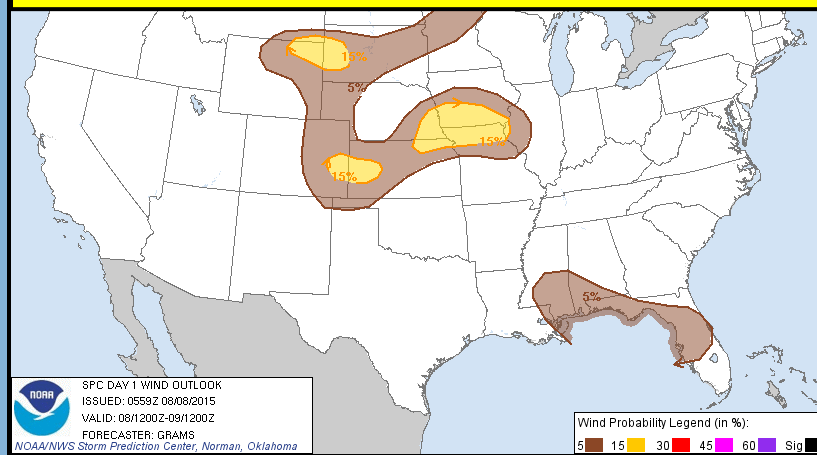
### Probability of Tornado within 25 miles of a point



### Probability of Damaging Hail within 25 miles of a point



### Probability of Damaging Winds within 25 miles of a point

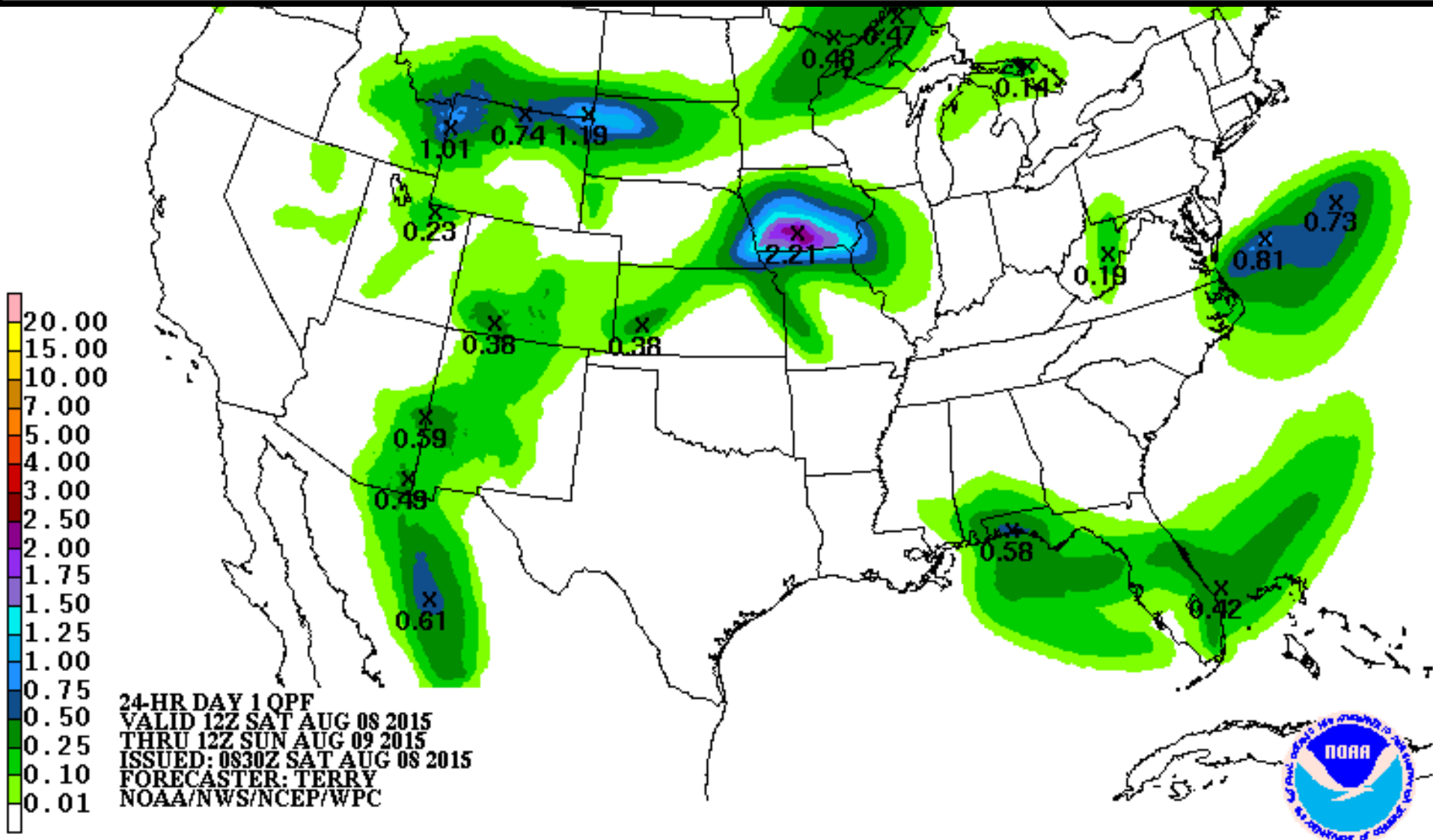


Building a Weather-Ready Nation

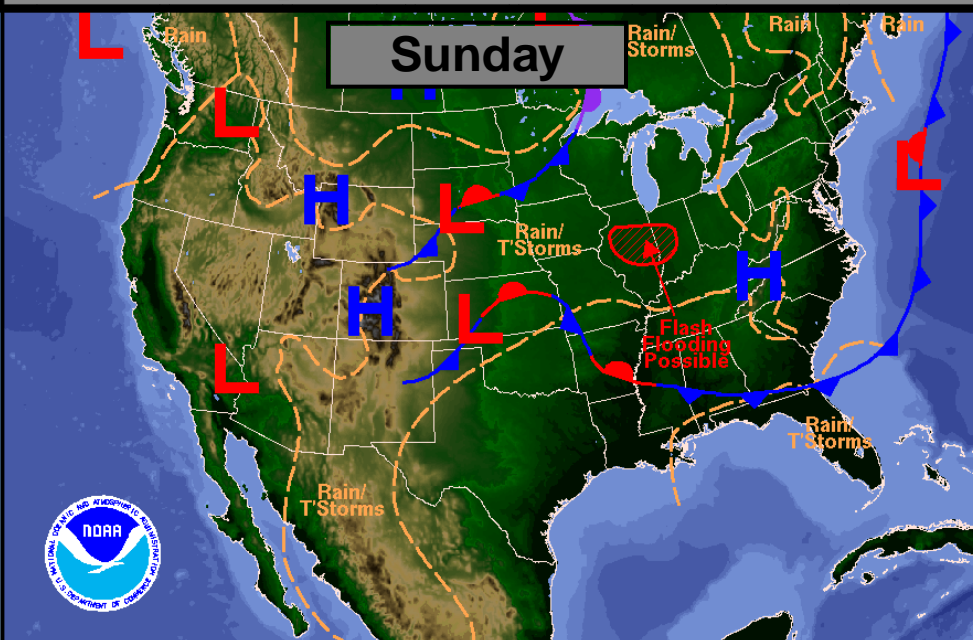


# Today's Precipitation

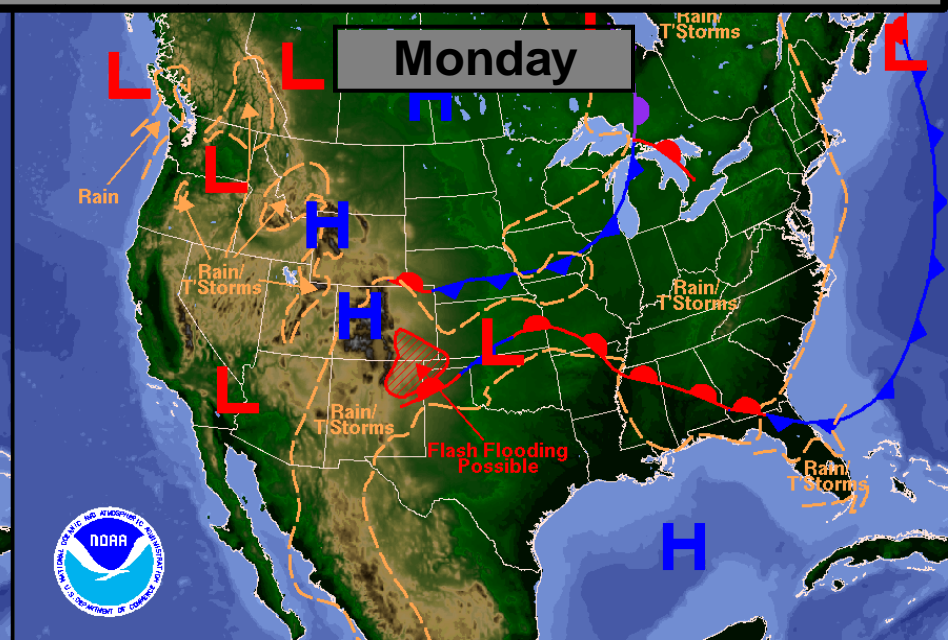
## Sat AM - Sun AM



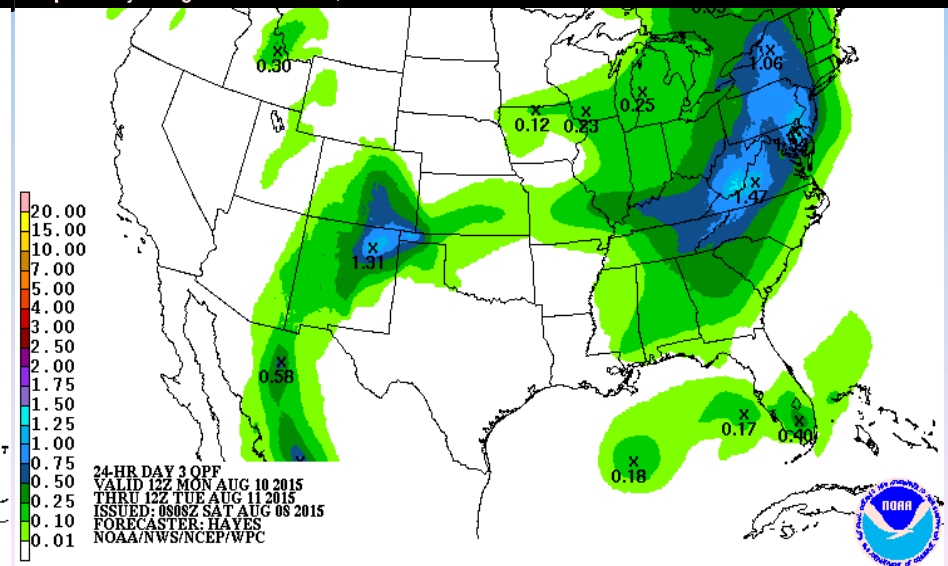
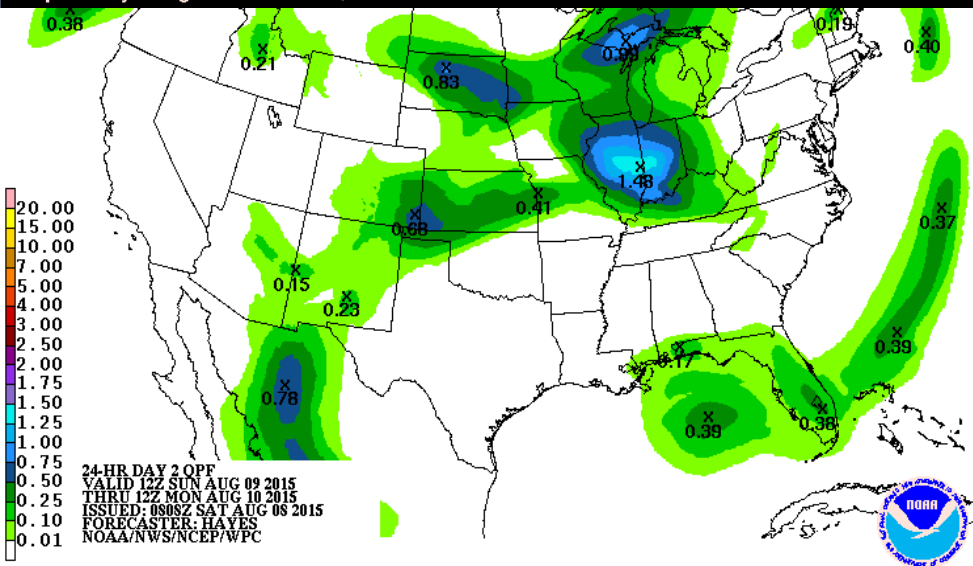
# Day 2-3 Weather Maps/Precipitation



Weather Forecast for Sun, Aug 09, 2015, issued 4:50 AM EDT Sat, Aug 08, 2015  
 DOC/NOAA/NWS/NCEP/Weather Prediction Center  
 Prepared by Kong based on WPC, SPC and NHC forecasts



Weather Forecast for Mon, Aug 10, 2015, issued 4:52 AM EDT Sat, Aug 08, 2015  
 DOC/NOAA/NWS/NCEP/Weather Prediction Center  
 Prepared by Kong based on WPC, SPC and NHC forecasts










# Day 2-3 Weather Hazards

Valid: 0800 Sun - 0800 Tue



Localized  
heavy  
rain/flash  
flooding  
possible

Heat index 105-110 for  
much of TX/OK/AR/LA

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# Day 4-5 Weather Hazards

Valid: 0800 Tue - 0800 Thu



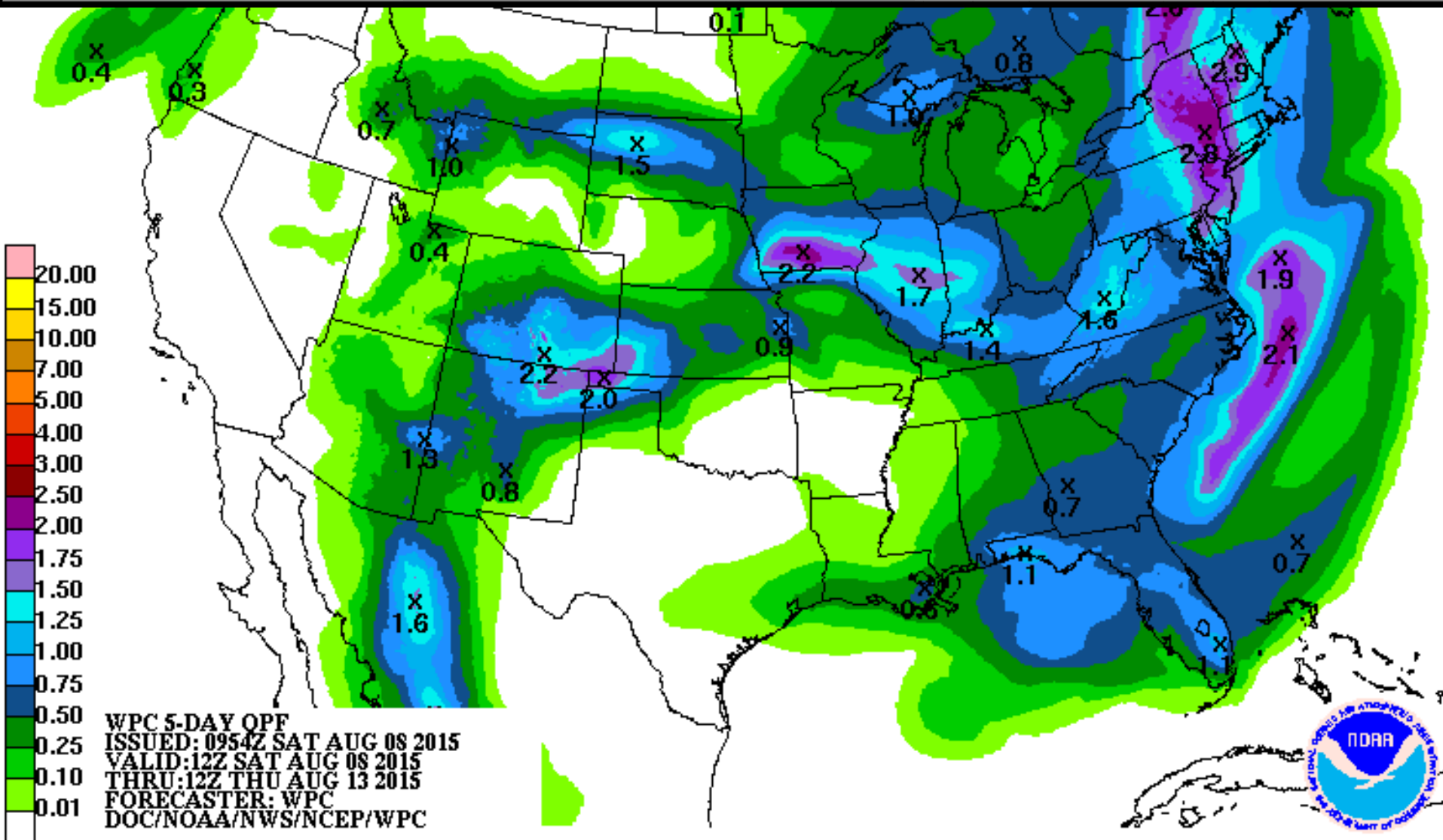
Heat index 105-110 for  
much of TX/OK/AR/LA



\*Threat levels are based on FEMA Region 6 criteria. State or local threat level criteria may differ.

# 5-Day Precipitation

## Sat AM - Thu AM

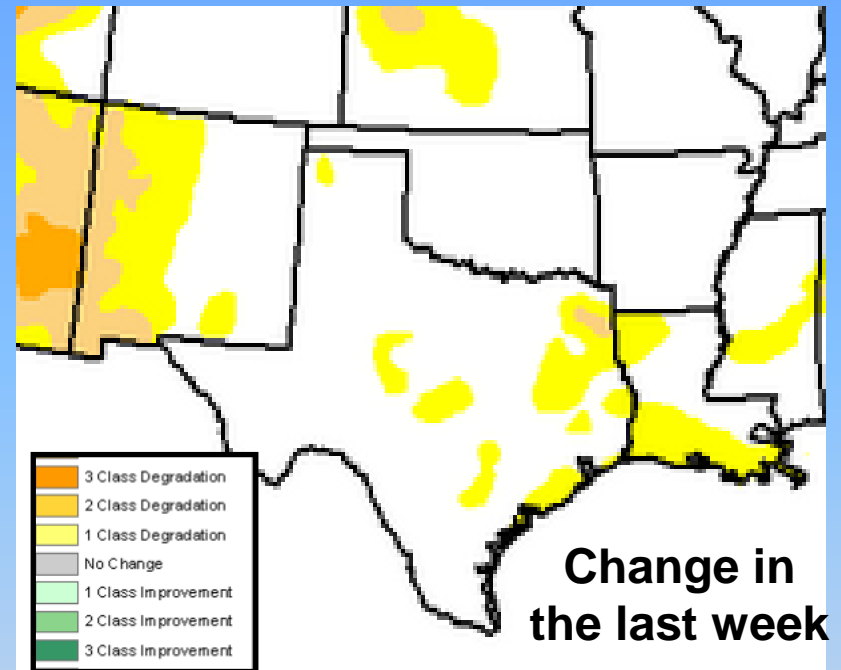
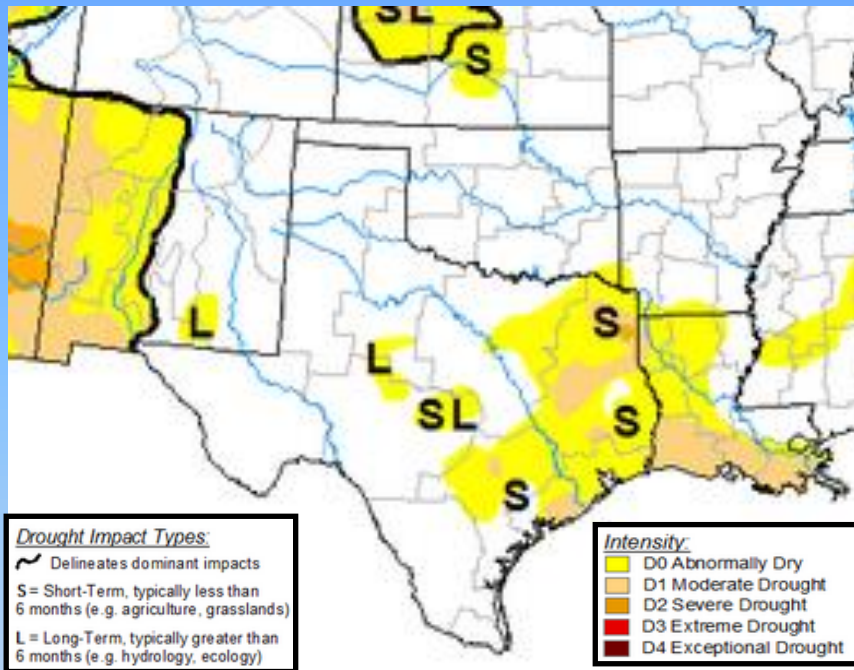






# Drought Monitor Released July 30th, 2015

Data valid as of 7am CDT, Tuesday Aug 4, 2015



## Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

State	Current	Last Week	3 Months Ago	1 Year Ago
Oklahoma	0.00%	0.00%	19.95%	16.74%
Texas	0.00%	0.00%	5.48%	13.67%
New Mexico	0.00%	0.00%	0.00%	8.67%
Arkansas	0.00%	0.00%	0.00%	0.00%
Louisiana	0.00%	0.00%	0.00%	0.00%



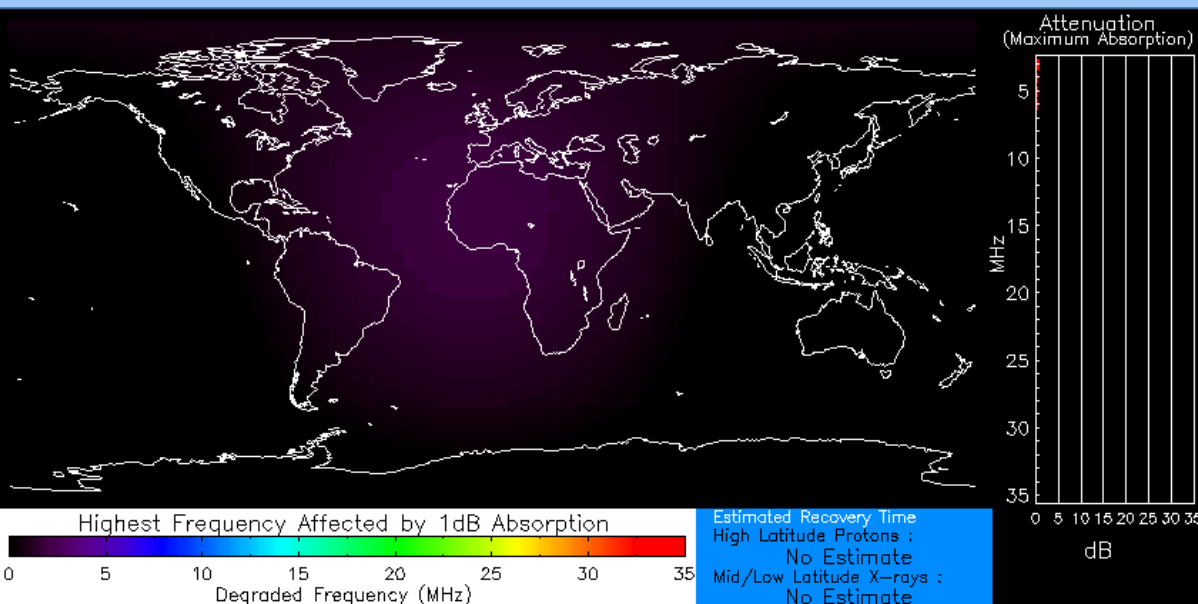
# Space Weather 3-Day Forecast



	Saturday	Sunday	Monday
Geomagnetic Storms	Active (Max Kp = 4)	Minor (G1) Storm (Max Kp =5)	Active M(ax Kp = 4)
Solar Radiation Storm (S1-S5)	1%	1%	5%
Radio Blackout (R1-R2)	35%	35%	35%
Radio Blackout (R3-R5)	5%	5%	5%

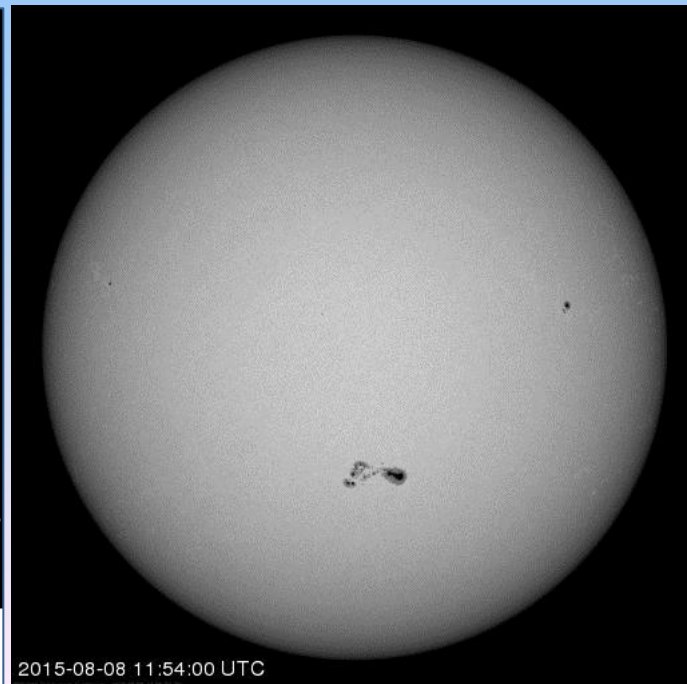
[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)



Normal X-ray Background  
Product Valid At : 2015-08-08 12:33 UTC

Normal Proton Background  
NOAA/SWPC Boulder, CO USA



2015-08-08 11:54:00 UTC

Information provided by:



**National Weather Service**  
**Southern Region Headquarters**  
**Regional Operations Center**  
**Fort Worth, TX**

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